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Docket No. F-8721

Ser. No. 10/541,682

AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1. (Currently Amended) A one-way clutch, comprising:

an outer ring;

an inner ring disposed within said outer ring to define ~~spring which is~~
~~placed in~~ an annular space between [[an]] the outer ring and [[an]] the inner ring
~~, in which :~~

engagement members disposed in said annular space;

a clutch spring formed of a plate spring member which is disposed in said
annular space and has ~~are placed respectively in pockets~~ pocket openings ~~disposed~~
~~circumferentially at regular intervals ;~~ the pocket openings being defined by base
portions of said clutch spring extending in a circumferential direction of said one-
way clutch on first and second opposing sides of said pocket openings, and column
portions which extend in an axial direction of said one-way clutch and third and
fourth opposing sides of said pocket openings; ~~—, and which has~~

said engagement members being disposed in said pocket openings;

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said clutch spring being formed to have tongues that elongate extend
respectively into said pockets pocket openings from said column portions of said
clutch spring, said clutch spring being formed such that after formation and prior
to introduction of said engagement members into said pocket openings, said
tongues extend inclined relative to said base portions so as to define a formed angle
in the range of 20° to 30° relative to the base portions when no pressure is applied
to the tongues , and that urge ; and

said engagement members being disposed in said pocket openings so as to
apply pressure to said tongues to deflect said tongues beyond said formed angle
thereby producing a bias on said engagement members to move said engagement
member toward [[an]] engagement with said inner ring and said outer ring side,
and is characterized in that each of said tongues that elongate into said pockets has
a bend at a basal end, and is disposed so that an inclination angle to a base is 20°
to 30°, said base being in a state where it is previously bent toward a side that will
be inside, before placed in said annular space.

2. (Currently Amended) The [[A]] one-way clutch spring according to
claim 1, characterized in that wherein each of said tongues that elongate into said
pockets has a spring constant in a range where an inclination angle to said base
when said engagement member placed in said annular space is urged is deflected

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by said engagement member further increased in a range of 5° to 15° with respect to an inclination angle to said base in a state where it is previously bent toward said side that will be inside, before placed in said annular space beyond said formed angle.

3. (Currently Amended) A one-way clutch, comprising:

an outer ring;

an inner ring disposed within said outer ring to define an annular space between the inner ring and the outer ring;

engagement members disposed in said annular space;

a clutch spring formed of a plate spring member and which is placed in
[[an]] said annular space between an outer ring and an inner ring, in which
engagement members are placed respectively in pockets disposed circumferentially
at regular intervals, and which has tongues that elongate respectively into said
pockets, and that urge said engagement members toward an engagement side, and
is characterized in that each of and has first and second plate spring sides
respectively facing said inner ring and said outer ring, and said plate spring
member having pocket openings disposed circumferentially at regular intervals,
said pocket openings being defined by annular base portions of said clutch spring
extending in a circumferential direction of said one-way clutch on first and second

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opposing sides of said pocket openings, and column portions which extend in an axial direction of said one-way clutch and third and fourth opposing sides of said pocket openings;

said engagement members being disposed in said pocket openings;

said plate spring member having tongues that elongate into said pockets has formed therein which extend into said pocket openings from said column portions and which are deflected by contact with said engagement members so as to bias said engagement members;

said tongues being formed in said plate spring member so as to each have sequentially a first bend adjacent a supporting one of said column portions, a second bend, and a third bend as seen from a column constituting a spring, said first, second and third bends being meandering bends in which all centers each having a center of curvature [[arc]] positioned offset from said first plate spring side of said annular base portions when formed in said plate spring member, and on a side of between said inner ring with respect to an and said annular base portions when said clutch spring is installed in said annular space, said tongues each terminating in a tip end portion extending from said third bend; and

constituting said spring, and is previously bent toward a side that will be inside, before said engagement members are placed in said annular space,

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said tongues being so formed in said plate spring member such that prior to disposal in said annular space and said contact with said engagement members, and when in a state absent application of pressure and resultant deflection, a height first distance from the of a tip end portion to said first plate spring side of said annular base portions [[base]] is larger than a height of a second distance between an apex a most distal point of said second bend to said plate spring side of said annular base portions said base, and radii of curvature of said three first, second and third bends are in a range of 0.2 to 0.6 mm.